Sea Water

†3029. DR. PRABHA THAKUR: Will the Minister of EARTH SCIENCES be pleased to state:

(a) whether sea water can be made potable by purifying the same;

(b) if so, the cost of purification of one litre sea water for making potable;

(c) the details thereof;

(d) whether sea water is being converted into potable water at any where in India; and

(e) if not, the reasons therefor?

THE MINISTER OF STATE IN THE MINISTRY OF WATER RESOURCES (SHRI VINCENT PALA): (a) Yes, Madam.

(b) and (c) The cost of converting sea water into potable water depends upon various factors including the technology used and plant capacities for desalination. Ministry of Urban Development has informed that the cost of Reverse Osmosis plant based on brackish water developed by Central Salt and Marine Chemical Research Institute (CSMCRI) is as under:—

Description	RO Plant Capacity Product Water (Litres/hr)		
	1000	2000	4000
Capital cost (Rs. In lakhs)	8.5	11.8	18.0
Operating cost (Paise/litre)	5.0	4.0	3.0

Ministry of Earth Sciences has informed that National Institute of Ocean Technology (NIOT) has indigenously designed developed and demonstrated the desalination technology for conversion of sea water into potable water based on Low Temperature Thermal Desalination System (LTTD). The initial estimated cost of production of Kavaratti Plant was about 10 paise per litre, which has come down to 7 to 9 paise per litre.

(d) As per the information provided by Ministry of Urban Development, desalination plant have been installed at many locations including Kalpakkam, Jodhpur, Banner, Kutch, Mumbai, Trombay, Kudan Kulam, Andaman and Nicobar etc.

(e) Does not arise.

Bill to include sports in concurrent list

†3030. SHRI PRABHAT JHA:
SHRI PRAKASH JAVADEKAR:

Will the Minister of YOUTH AFFAIRS AND SPORTS be pleased to state:

†Original notice of the question was received in Hindi.